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## CLAIMS

## What is claimed is:

1. A system for cooling a backup power system and a substantially enclosed space upon or after the occurrence of a power outage or reduction condition comprising:

a heat rejection system powered by the backup power system upon or after the occurrence of a power outage or reduction condition for receiving heat transfer fluid from a return path, rejecting heat from the heat transfer fluid and expelling the heat outside the substantially enclosed space;

an air cooling system powered by the backup power system upon or after the occurrence of a power outage or reduction condition for cooling air using heat transfer fluid received from the heat rejection system and expelling the cooled air within the substantially enclosed space; and

a flow path for circulating heat transfer fluid from either the heat rejection system or the air cooling system through the backup power system to the return path.

- 2. The cooling system of claim 1 wherein the heat rejection system is within or without the substantially enclosed space.
- 3. The cooling system of claim 2 wherein the heat rejection system is without the substantially enclosed space.
- 4. The cooling system of claim 1 wherein the air cooling system is within or without the substantially enclosed space.
- 5. The cooling system of claim 4 wherein the air cooling system is within the substantially enclosed space.
- 6. The cooling system of claim 1 wherein the air cooling system cools air received from within or without the substantially enclosed space.
- 7. The cooling system of claim 6 wherein the air cooling system cools air received from within the substantially enclosed space.

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- 8. The cooling system of claim 1 wherein the backup power system is within or without the substantially enclosed space.
- 9. The cooling system of claim 8 wherein the backup power system is within the substantially enclosed space.
- 10. The cooling system of claim 1 wherein the backup power system is an electrochemical power system.
  - 11. The cooling system of claim 10 wherein the backup power system is a fuel cell or fuel cell system.
  - 12. The cooling system of claim 10 wherein the backup power system is a battery or battery system.
  - 13. The cooling system of claim 1 wherein the air cooling and backup power systems are in a series relationship.
  - 14. The cooling system of claim 1 wherein the air cooling and backup power systems are in a parallel relationship.
  - 15. The cooling system of claim 1 wherein the heat rejection system contains a compressor.
  - 16. The cooling system of claim 1 wherein the air cooling system contains an evaporator.
- 17. A method of cooling a backup power system and a substantially enclosed space upon or after the occurrence of a power outage or reduction condition comprising:

using a backup power system to power a cooling system upon or after the occurrence of a power outage or reduction condition; and

using the cooling system to cool the backup power system and the substantially enclosed space upon or after the occurrence of a power outage or reduction condition.

- 18. The method of claim 17 wherein the cooling system comprises a heat rejection system and an air cooling system.
- 19. The method of claim 18 wherein the heat rejection system contains a compressor and the air cooling system contains an evaporator.

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- 20. The method of claim 17 wherein the backup power system is an electrochemical power system.
- 21. The method of claim 20 wherein the electrochemical power system comprises a fuel cell or fuel cell system.
- 5 22. The method of claim 20 wherein the electrochemical power system comprises a battery or battery system.
  - 23. A cooling and backup power system comprising the cooling system of claim 1 and the backup power system.
  - 24. The cooling and backup power system of claim 23 wherein the backup power system and air cooling system are packaged separately from the heat rejection system.
  - 25. The cooling and backup power system of claim 23 wherein the air cooling system and heat rejection system are packaged separately from the backup power system.
  - 26. The cooling and backup power system of claim 23 wherein the backup power system and heat rejection system are packaged separately from the air cooling system.
  - 27. A backup power system for powering a cooling system upon or after the occurrence of a power outage or reduction condition comprising:

an electrochemical power system; and

- a flow path for heat transfer fluid to flow from the cooling system and through the electrochemical power system to a return path.
- 28. The backup power system of claim 27 wherein the electrochemical power system is a fuel cell or fuel cell system.
- 29. The backup power system of claim 27 wherein the electrochemical power system is a battery or battery system.
- 30. A system for cooling backup power means and a substantially enclosed space upon or after the occurrence of a power outage or reduction condition comprising:

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heat rejection means powered by the backup power means upon or after the occurrence of a power outage or reduction condition for receiving heat transfer fluid from a return path, rejecting heat from the heat transfer fluid and expelling the heat outside the substantially enclosed space;

air cooling means powered by the backup power means upon or after the occurrence of a power outage or reduction condition for cooling air using heat transfer fluid received from the heat rejection means and expelling the cooled air within the substantially enclosed space; and

flow path means for circulating heat transfer fluid from either the heat rejection means or the air cooling means through the backup power means to the return path.